

ABSTRACT OF THE DISCLOSURE

A color scrolling projection system is provided, including a light source, a color separator, a color scanner, a light valve, and a control circuit. The light source generates and emits light. The color separator separates incident light according to color. The color scanner includes a scrolling unit and a driving source for rotating the scrolling unit. The scrolling unit includes at least one lens cell and converts the rotation of the scrolling unit into the rectilinear motion of a lens array of the scrolling unit through which light passes. The light valve processes color bars according to an input image signal and forms a color image. The control circuit synchronizes the scrolling of the color with the electrical scanning of the light valve according to an image signal. The color bars are scrolled on the light valve due to a rotation of the scrolling unit.